Title (en)

SCALABLE LOW LATENCY MULTI-PROTOCOL NETWORKING DEVICE

Title (de)

MULTIPROTOKOLL NETZWERKGERÄT MIT SKALIERBARER GERINGER LATENZZEIT

Title (fr)

APPAREIL RÉSEAU MULTIPROTOCOLE À LATENCE RÉDUITE EXTENSIBLE

Publication

**EP 2898651 B1 20190206 (EN)**

Application

**EP 13770570 A 20130912**

Priority

- US 201261702312 P 20120918
- US 201313767172 A 20130214
- US 2013059344 W 20130912

Abstract (en)

[origin: US2014078902A1] A network device receives a packet that includes a plurality of sets of fields. Sets of fields of the packet are parsed and the field sets are evaluated as soon as they are available to determine whether a processing decision can be made on the packet. Additional field sets may be parsed from the packet and obtained in parallel with determining whether a processing decision can be made, but once it is determined that a processing decision can be made, the evaluating of field sets is terminated such that any further field sets of the packet are ignored for purposes of making a processing decision for the packet.

IPC 8 full level

**H04L 45/74** (2022.01); **H04L 49/111** (2022.01)

CPC (source: CN EP US)

**H04L 43/04** (2013.01 - US); **H04L 45/74** (2013.01 - US); **H04L 45/745** (2013.01 - US); **H04L 47/12** (2013.01 - US); **H04L 47/70** (2013.01 - US); **H04L 49/25** (2013.01 - US); **H04L 49/251** (2013.01 - US); **H04L 49/253** (2013.01 - CN EP US); **H04L 49/3009** (2013.01 - US); **H04L 49/3063** (2013.01 - US); **H04L 49/355** (2013.01 - US); **H04L 49/9057** (2013.01 - US); **H04L 69/22** (2013.01 - EP US); H04L 45/745 (2013.01 - CN EP); H04L 47/70 (2013.01 - CN EP); H04L 49/251 (2013.01 - CN); H04L 49/3009 (2013.01 - CN); H04L 49/3063 (2013.01 - CN); H04L 49/355 (2013.01 - CN); H04L 69/22 (2013.01 - CN)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2014078902 A1 20140320**; **US 9055004 B2 20150609**; CN 104641616 A 20150520; CN 104641616 B 20180105; CN 104662862 A 20150527; CN 104662862 B 20170919; EP 2898650 A1 20150729; EP 2898650 B1 20190213; EP 2898651 A1 20150729; EP 2898651 B1 20190206; US 2014079063 A1 20140320; US 2015236982 A1 20150820; US 2015237177 A1 20150820; US 9065780 B2 20150623; US 9641457 B2 20170502; US 9692857 B2 20170627; WO 2014046945 A1 20140327; WO 2014046946 A1 20140327

DOCDB simple family (application)

**US 201313767172 A 20130214**; CN 201380048243 A 20130912; CN 201380048257 A 20130912; EP 13766824 A 20130912; EP 13770570 A 20130912; US 2013059344 W 20130912; US 2013059346 W 20130912; US 201313767180 A 20130214; US 201514702186 A 20150501; US 201514702270 A 20150501